

Application No. 10/726,722
Response dated: January 5, 2006
Reply to Office action of November 8, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (Currently Amended) A backlight assembly for an LCD apparatus, comprising:
a lamp emitting light;
a light guide plate including a light-entering surface through which the light from the lamp enters, and a light-emitting surface through which the light is emitted;
a lamp reflector having an opening toward the light-entering surface and combined to the light guide plate, accommodating and covering the lamp; and
a light interceptive part being separate from the lamp reflector and interposed between the light-emitting surface and the lamp reflector, and preventing the light from the lamp from entering through an edge at which the light-entering surface and the light-emitting surface are intersected.
2. (Original) The backlight assembly according to claim 1, wherein the light interceptive part is depressed by the edge at which the light-entering surface and the light-emitting surface are intersected.
3. (Original) The backlight assembly according to claim 2, wherein the light interceptive part is made of elastic PET.
4. (Original) The backlight assembly according to claim 2, wherein the light interceptive part is extended toward the lamp beyond the light-entering surface.
5. (Currently Amended) The backlight assembly according to claim 4, wherein the light interceptive part has a "C" shaped cross section so as to be fitted on the edge of the lamp reflector.

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6. (Original) The backlight assembly according to claim 3, wherein the light interceptive part is extended toward the lamp beyond the light-entering surface.

7. (Currently Amended) The backlight assembly according to claim 6, wherein the light interceptive part has a "C" shaped cross section so as to be fitted on the edge of the lamp reflector.

8. (Original) The backlight assembly according to claim 1, wherein the light interceptive part is printed on a surface of the lamp reflector facing the light-emitting surface.

9. (Original) The backlight assembly according to claim 8, wherein the light interceptive part is black or gray.

10. (Original) The backlight assembly according to claim 1, further comprising a reflector which is disposed in the rear of the light guide plate, reflects the light into the light guide plate, and extended toward the lamp beyond the light-entering surface.

11. (Original) The backlight assembly according to claim 10, wherein on the light guide plate facing the reflector is formed a plurality of prism teeth at intervals of a predetermined pitch.

12. (Original) The backlight assembly according to claim 11, further comprising a reverse prism sheet placed in front of the light-emitting surface and formed with a plurality of a reverse prism teeth at intervals of a predetermined pitch on a surface facing the light-emitting surface.

13. (Original) The backlight assembly according to claim 12, wherein at least one side of every reverse prism tooth is convex.

14. (Original) The backlight assembly according to claim 12, wherein the reverse prism teeth are arranged in a direction across the prism teeth of the light guide plate.

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15. (Previously Presented) A backlight assembly for an LCD apparatus, comprising:
a lamp emitting light;
a light guide plate including a light-entering surface through which the light from the lamp enters, and a light-emitting surface through which the light is emitted;
a lamp reflector having an opening toward the light-entering surface and combined to the light guide plate, accommodating and covering the lamp; and
a reverse prism sheet placed in front of the light-emitting surface and formed with a plurality of a reverse prism teeth at intervals of a predetermined pitch on a surface facing the light-emitting surface, wherein at least one side of every reverse prism tooth is rounded.

16. (Original) The backlight assembly according to claim 15, wherein on a rear surface of the light guide plate is formed a plurality of prism teeth at intervals of a predetermined pitch.

17. (Original) The backlight assembly according to claim 16, wherein the reverse prism teeth are arranged in a direction across the prism teeth of the light guide plate.

18. (Original) The backlight assembly according to claim 15, further comprising a light interceptive part interposed between the light-emitting surface and the lamp reflector, and preventing the light from the lamp from entering through an edge at which the light-entering surface and the light-emitting surface are intersected.

19. (Original) The backlight assembly according to claim 18, wherein the light interceptive part is depressed by the edge at which the light-entering surface and the light-emitting surface are intersected.

20. (Original) The backlight assembly according to claim 19, wherein the light interceptive part is made of elastic PET.

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21. (Currently Amended) The backlight assembly according to claim 20, wherein the light interceptive part has a "C" shaped cross section so as to be fitted on the edge of the lamp reflector.

22. (Original) The backlight assembly according to claim 18, wherein the light interceptive part is printed on a surface of the lamp reflector facing the light-emitting surface.

23. (Original) The backlight assembly according to claim 22, wherein the light interceptive part is black or gray.

24. (Original) The backlight assembly according to claim 18, wherein the light interceptive part is extended toward the lamp beyond the light-entering surface.

25. (Original) The backlight assembly according to claim 24, further comprising a reflector which is disposed in the rear of the light guide plate, reflects back the light into the light guide plate, and extended toward the lamp beyond the light-entering surface.

26. (Original) The backlight assembly according to claim 22, wherein the light interceptive part is extended toward the lamp beyond the light-entering surface.

27. (Original) The backlight assembly according to claim 26, further comprising a reflector which is disposed in the rear of the light guide plate, reflects the light into the light guide plate, and extended toward the lamp beyond the light-entering surface.

28. (Currently Amended) An LCD apparatus comprising an LCD panel to display a picture thereon, and a backlight assembly disposed in the rear of the LCD panel and lightening the LCD panel,

wherein the backlight assembly comprises:

a lamp to emit light;

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a light guide plate including a light-entering surface through which the light from the lamp enters, and a light-emitting surface through which the light is emitted;

a lamp reflector having an opening toward the light-entering surface and combined to the light guide plate, accommodating and covering the lamp; and

a light interceptive part being separate from the lamp reflector and interposed between the light-emitting surface and the lamp reflector, and preventing the light from the lamp from entering through an edge at which the light-entering surface and the light-emitting surface are intersected.